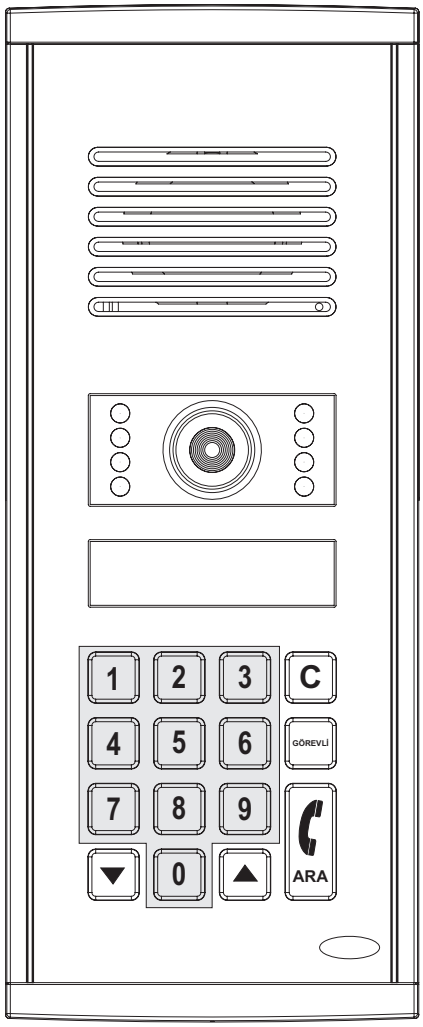
MAS DIGITAL PANEL USER'S MANUAL



DP02HM / DP01HM

MAS INTERCOM

Preface

Thank you for choosing MAS
Please read the instruction manual carefully before using this device.

The Digital panel default setting is for 1 building and up to 255 apartments. The panel does not require presetting. It is activated and ready to use.

However, it is strongly recommended that you change default settings after installing the panel. You can find how to change the settings on the instruction manual. After reading the manual, you will be fully aware how to use this device.

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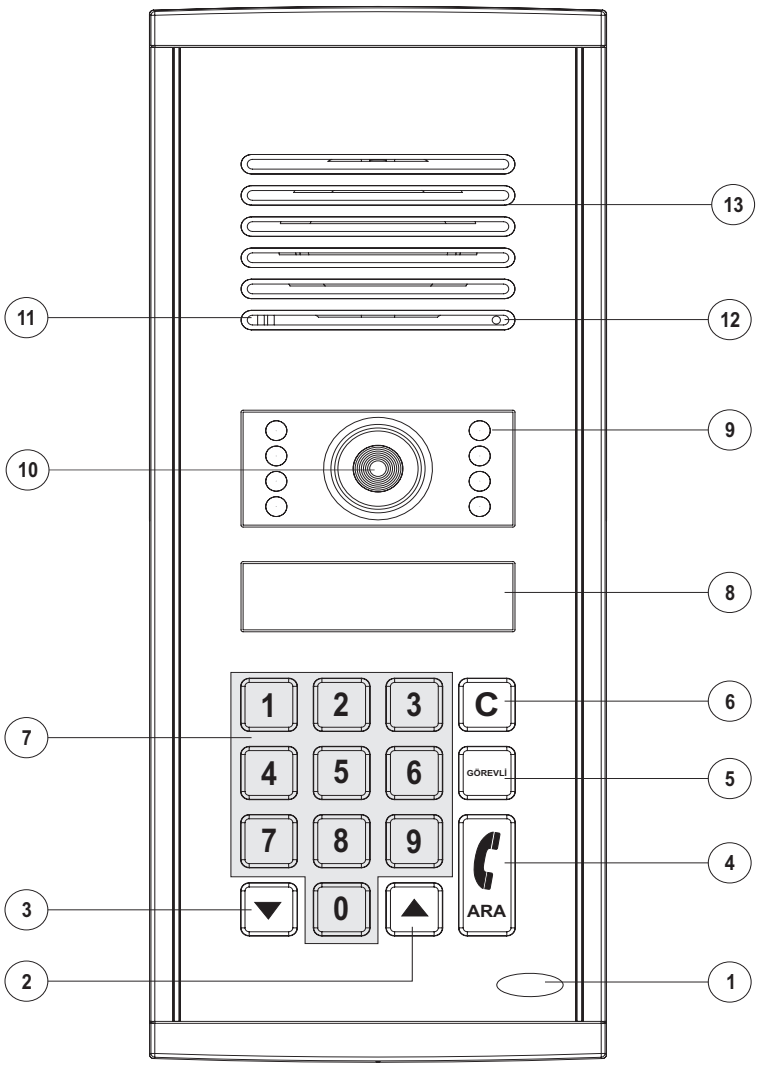
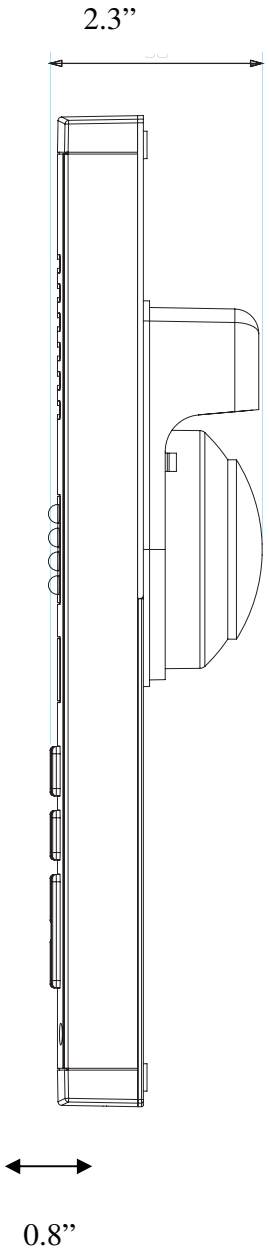
1. Features

1.1 Front View

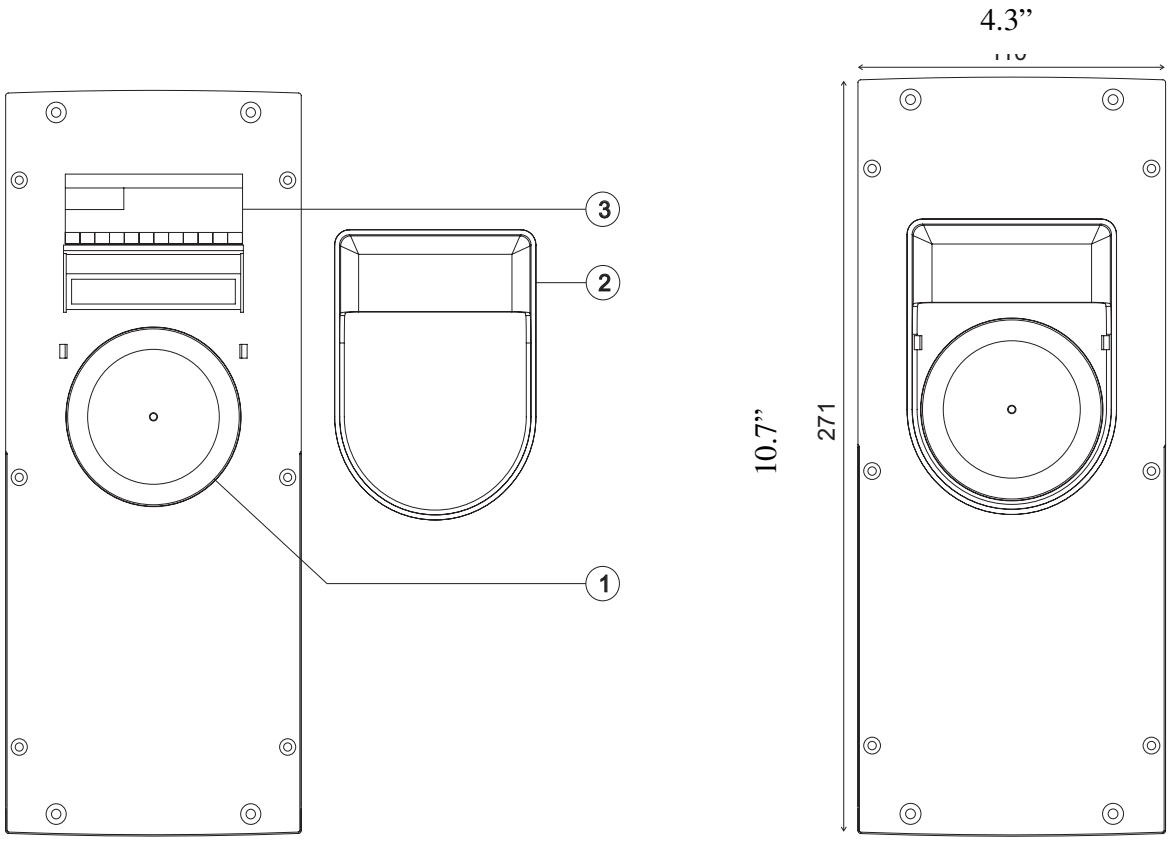


1	*Microphone*
2	*Up button*
3	*Down button*
4	*Call button*
5	*Guard button*
6	*"C" Clear button*
7	*PIN pad*
8	*LCD display.*
9	*Night view IR LED's to enhance image quality*
10	*Camera*
11	*Light Sensor (Photocell)*
12	*Motion Sensor*
13	*Speaker*

1.2 Side View



1.3 Back View



1	*Pan and tilt the camera within 32° angles to adjust*
2	*Connector cover*
3	*Screw Terminal Block Connector*

2. Device Instructions

2.1 CALL

In standby mode push any button, enter the apartment number and then push the **CALL** button. If you do not know the apartment number, find the name of the resident via searching the **UP**, **DOWN** buttons. Then, press the **CALL**. To call guard, press the **GUARD** button.

2.2 DOOR ENTRY

A set of four numbers called as PIN. Each apartment has its own PIN or apartments have shared PIN to open the building entrance. (For your safety do not share your PIN with others.)

In standby mode push the **C** button until the words “Enter Your PIN” are displayed and enter the four digits door release PIN within 12 seconds. Otherwise the system will resume to standby mode. (Note: The default PIN is 1234) The PIN would not appear in the screen, for that reason enter the PIN carefully. If there is a mistake, reset the PIN by pressing the **C** button and enter the PIN again or enter the rest of the digits to complete the set to four digits then you can enter again.

2.3 USE OF THE BUTTONS IN ABC MODE

In ABC mode; to type the requested letter, press relevant button:
To choose first letter, press once
To choose second letter, press twice
To choose third letter press, three times

EXAMPLES: To display "C" press the #2 three times, to display “K”, press the #5 three times quickly. This method is called single key mode with many options.

NOTE: When you press another button cursor moves to next digit. To move onto right cell on the display or to be able to enter the same letter again wait for few seconds after entering the first letter. For more information about the characters, you can use table on menu 2.4.

2.4 SYMBOLS

BUTTON	**DISPLAYED**
1	. , - ? ! ' @ : 1
2	A B C 2
3	D E F 3
4	G H I 4
5	J K L 5
6	M N O 6
7	P Q R S 7
8	T U V 8
9	W X Y Z 9
0	0

NOTE: To leave space press "0" for once.

2.5ENTERING MENU SETTINGS

In standby mode push any button and see the menu to enter apartment number. Enter any apartment number, press the "**C"** button continuously till the words "Settings PIN" are displayed then you can enter settings PIN and make the necessary changes. The default PIN is "**0000**". (It is strongly recommended to change "**Settings PIN**" and store it carefully.) If you don not press any button within 6 seconds, panel switches to standby mode then need to re-enter Settings Menu.

You can press the numbers "1 to 9" to enter sub-menus on "Menu Settings". By using the UP and DOWN buttons you can select sub-menus.

2.5.1. ENTERING BUILDING NAME ON OPENING SCREEN

Opening Screen menu is #1 on Settings Menu. As optional building name or Welcoming message is typed. (Example: "Welcome to xXx Building") To enter the menu, enter menu settings first, press "1" then press CALL. Type your message in Line1 then press the **CALL** to type in Line 2. If you want to leave the Line 2 blank just press the **CALL** after entering Line 1 Message. Each line has 16 digits to use.

2.5.2. IDENTIFICATION OF APARTMENT (APARTMENT) QUANTITY (IFQ)

IFQ menu is #2 on Settings Menu. This menu limits the panel on use of the apartment quantity. To enter the menu, enter menu settings first, press "2" then press CALL, type total apartment quantity and press CALL to save it.

NOTE: Apartment quantity can be maximum 255. Please pay attention not to leave quantity "0". when you enter IFQ menu.

2.5.3. NAME LIST

Name List menu is #3 on Settings Menu. It is possible to display who the resident at referred apartment number is. Visitors can browse the residents via the UP, DOWN buttons then press the CALL to call the required apartment. To edit the name list menu, enter settings menu, press 3 then the CALL. Type apartment number, then press CALL to edit the apartment. Type resident "name-surname", then press CALL to save the information.

2.5.4. CHANGING DOOR PIN

Changing Door Pin menu is #4 on Settings Menu. This menu is to change the door opening pin. Enter settings menu, press 4 then CALL. Enter quantity of PIN numbers (1 to 100) then enter PIN numbers for each apartment. The default door release PIN is "1234" Quantity of PIN numbers should be entered as defined otherwise default Door PIN would remain.

2.5.5. CHANGING SETTINGS PIN

Changing Settings Pin menu is #5 on Settings Menu. This menu is to change the Settings PIN. Enter settings menu, press 5 then the CALL and the CALL again, "Settings PIN" appears on the screen to enter four digits "New PIN". Press the 1CALL to save the new PIN. Default Settings PIN is "0000".

2.5.6. LANGUAGE OPTIONS

Language Options menu is #6 on Settings Menu. This menu is to set panel language. Enter settings menu, press 6 then the CALL. Press 1,2,3,4 to select your language then press the CALL to set it. Language options below.

1-English,

2-Spanish,

2.5.7. BACK TO DEFAULT SETTINGS

Back to Default Settings menu is #7 on Settings Menu. This menu is to reset current settings and it restores manufacturer settings. Enter settings menu then press 7 then CALL, "BACK TO DEFAULT SETTINGS?" appears on the screen, if you press CALL panel would start counting from 1 to 260 then returns to standby mode screen and panel is set to default settings. When "BACK TO DEFAULT SETTINGS" appeared on screen, if you press the C the panel would not clear existing information and return to Settings Menu.

2.5.9. BUILDING NO SETTINGS ON MULTI-BUILDINGS

Building No Settings on Multi-Buildings menu is #9 on Settings Menu. This menu is to set building number. Enter settings menu then press 9 then the CALL, enter building number then CALL.

Attention! For Multi-Building Systems, if you don not set building number or leave "0" when an apartment is called, system would call the same numbered apartments in all buildings.

2.5.11. OPTIONAL BUTTON (GUARD BUTTON)

Optional Button menu is #11 on Settings Menu. This menu is to set to call guard's station directly without entering apartment number. You can enter any apartment number to call directly, default Guard Station number is 255.

NOTE: Pay attention NOT TO press the **CALL** without entering apartment number, Guard Apartment would be set as "0".

2.5.12. DOOR RELEASE TIMER

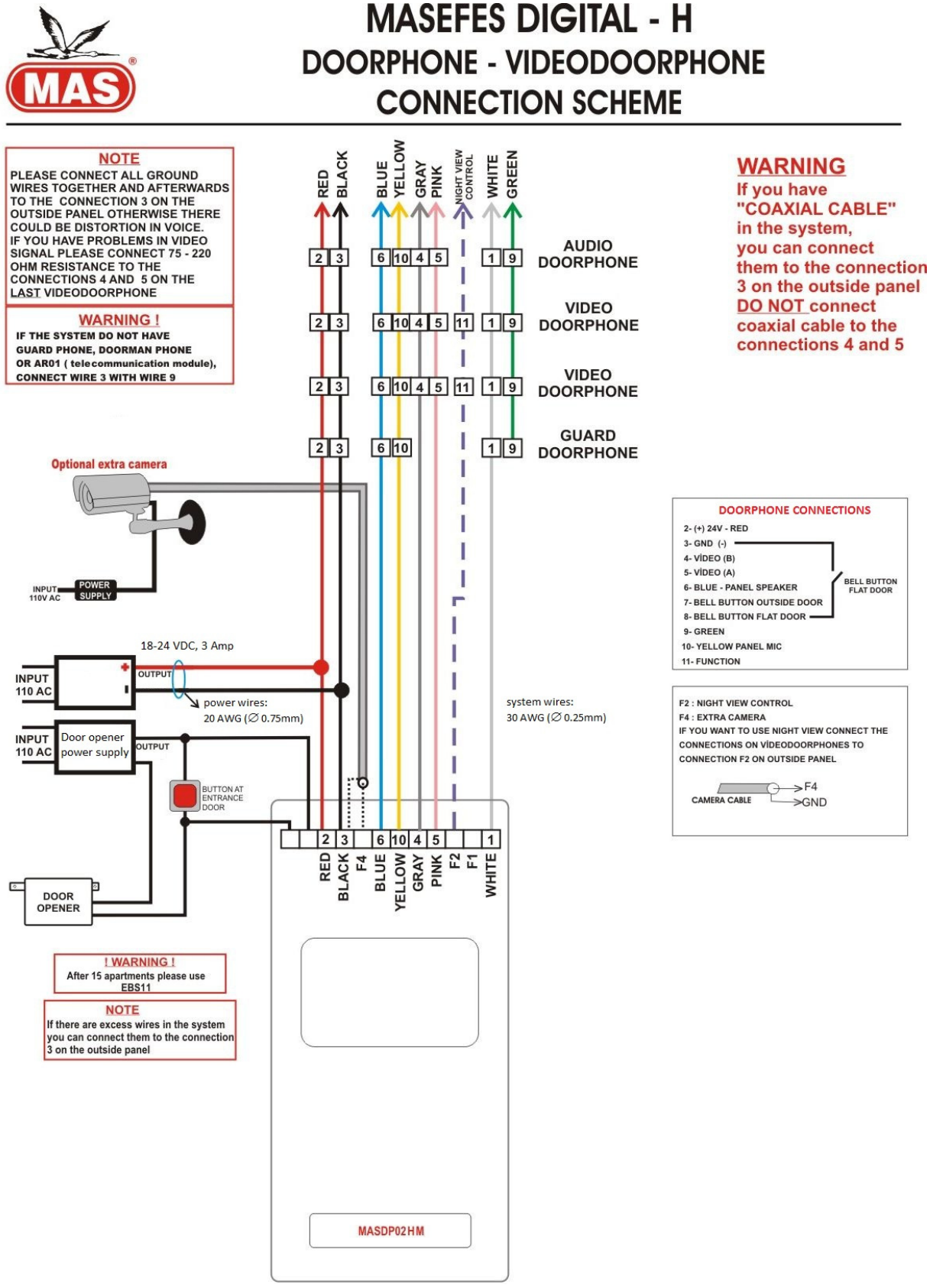
Optional Button menu is #12 on Settings Menu. This menu is to set to door releasing time. Enter settings menu, press 12 then CALL. Use the UP / DOWN buttons to set the required releasing time then press the CALL to set it. (**D.R.T. range is up to 10 secs.**)

3 Technical Specifications

Communication Range	28 ± 4 in. (70 ± 10 cm)
Operating Temperature	-4F…130F (-20⁰...+55⁰C)
Standby mode Current	115 mA
Operating Current	150 mA
Operating Voltage	16…24 VDC
Adjustable Camera Angle Degree	32⁰ total in all directions
Camera Resolution	350 TV lines
Max. Number of Apartments	255
Door Releasing Time	1…10 sec
Max. Door Release PIN	1...99
Video Output Format	Differential
Video Output Level	2V… 800mV
Extra Video Input Level	1,1 V
Extra Video Input Impedance	75 Ω
Audio Output Impedance	1200 Ω
Audio Input Impedance	600 Ω
Audio Out Level	600 mV (max.)
Audio In	600 mV (max.)
Dimensions (W/H/D)	10.7/4.3/0.8-2.3 in. (27/11/2-6 cm)
Weight	23 oz. (645 gr)

4 Schematics

4.5 Wiring Diagram


MASEFES DIGITAL - H
DOORPHONE - VIDEODOORPHONE
CONNECTION SCHEME
NOTE
PLEASE CONNECT ALL GROUND WIRES TOGETHER AND AFTERWARDS TO THE CONNECTION 3 ON THE OUTSIDE PANEL OTHERWISE THERE COULD BE DISTORTION IN VOICE.
IF YOU HAVE PROBLEMS IN VIDEO SIGNAL PLEASE CONNECT 75 - 220 OHM RESISTANCE TO THE CONNECTIONS 4 AND 5 ON THE LAST VIDEODOORPHONE
WARNING !
IF THE SYSTEM DO NOT HAVE GUARD PHONE, DOORMAN PHONE OR AR01 (telecommunication module), CONNECT WIRE 3 WITH WIRE 9
RED
BLACK
BLUE
YELLOW
GRAY
PINK
NIGHT VIEW CONTROL
WHITE
GREEN
AUDIO DOORPHONE
VIDEO DOORPHONE
VIDEO DOORPHONE
GUARD DOORPHONE
WARNING
If you have "COAXIAL CABLE" in the system, you can connect them to the connection 3 on the outside panel DO NOT connect coaxial cable to the connections 4 and 5
Optional extra camera
INPUT 110V AC
POWER SUPPLY
18-24 VDC, 3 Amp
INPUT 110 AC
OUTPUT
power wires: 20 AWG (∅ 0.75mm)
system wires: 30 AWG (∅ 0.25mm)
INPUT 110 AC
Door opener power supply
OUTPUT
BUTTON AT ENTRANCE DOOR
DOOR OPENER
DOORPHONE CONNECTIONS
2- (+) 24V - RED
3- GND (-)
4- VİDEO (B)
5- VİDEO (A)
6- BLUE - PANEL SPEAKER
7- BELL BUTTON OUTSIDE DOOR
8- BELL BUTTON FLAT DOOR
9- GREEN
10- YELLOW PANEL MIC
11- FUNCTION
BELL BUTTON FLAT DOOR
F2 : NIGHT VIEW CONTROL
F4 : EXTRA CAMERA
IF YOU WANT TO USE NIGHT VIEW CONNECT THE CONNECTIONS ON VİDEODOORPHONES TO CONNECTION F2 ON OUTSIDE PANEL
CAMERA CABLE
F4
GND
RED
BLACK
F4
BLUE
YELLOW
GRAY
PINK
F2
F1
WHITE
MASDP02HM
! WARNING !
After 15 apartments please use EBS11
NOTE
If there are excess wires in the system you can connect them to the connection 3 on the outside panel

5 Mounting Method

5.5 Digital Panel Mounting

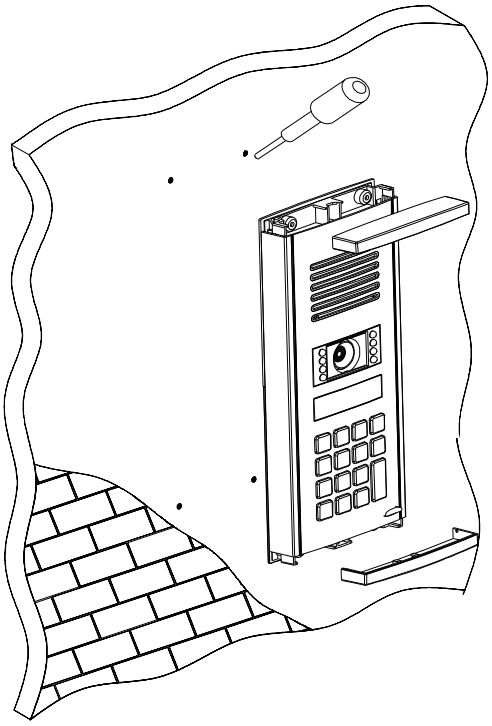


Figure: 2

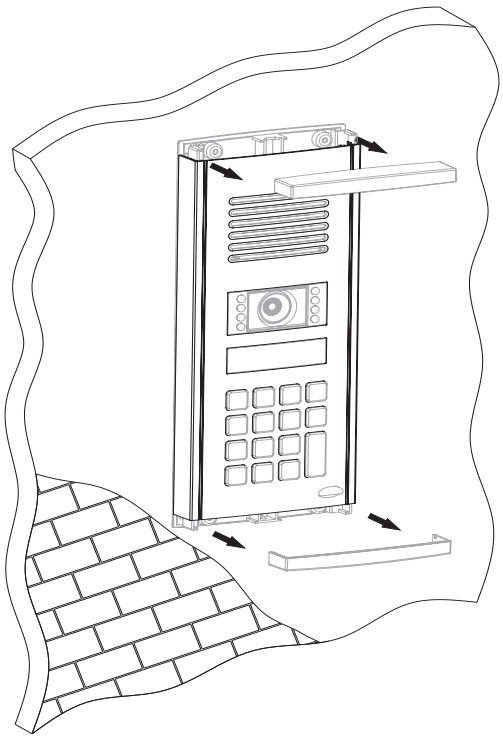


Figure:1

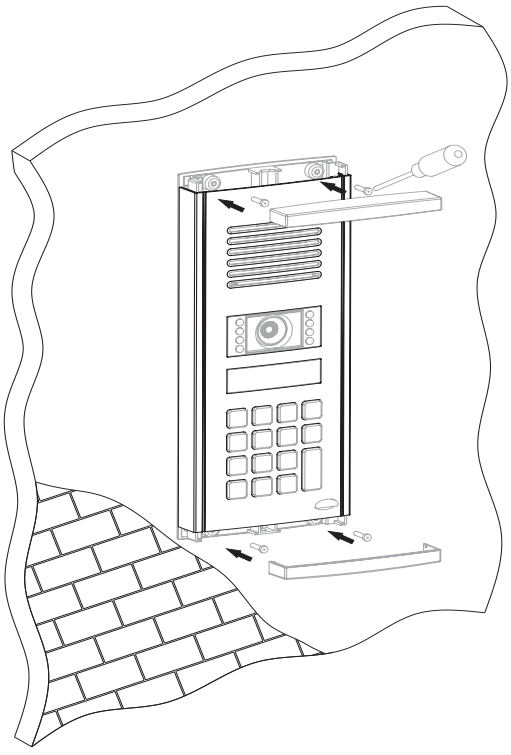
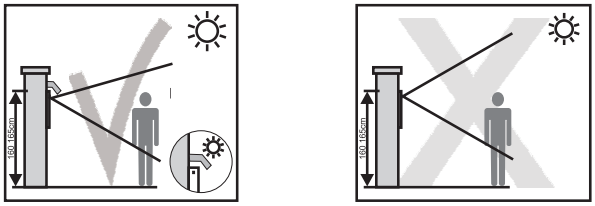


Figure:3

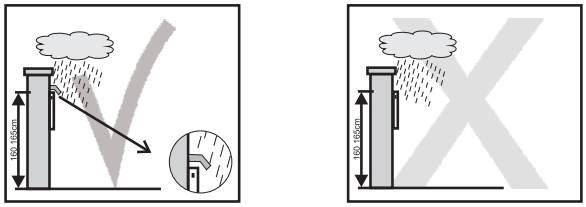
- *Remove top and bottom plastic ledges as seen in Figure: 1.*
- *Drill the holes and place the rawplugs as seen in Figure: 2.*
- *Mount the panel on the wall from the screw holes then place the plastic ledges as seen in Figure:3*

5.6 Digital Panel Standard Height

Mount the digital panel to a proper place away from hazards (water, dust, chemicals & etc.) and away from direct light sources (sun, street lights, white or transparent backgrounds). *Suggested mounting height: 5'- 5'2" (Camera lens to ground, Eye-level, 160-165cm)
If required use a top cover.



Attention : Mount the digital panel to a proper place away from direct light and rain.



FCC STATEMENT
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a

particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

6 Box Contents

Item	Quantity
Digital Panel……	1
Connector Protector……	1
Connector.....	1
Screw……	4
Rawplug....	4
User's Manual.....	1